

# Productinformatieblad

Specificaties



## white illum selector switch head 3-position stay put cp grey

ZB5AK1313C0

**Belangrijk bericht:** A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks  
EAN Code: 3606489767303

**Prijs: 23,90 EUR**

### Hoofd

|                                    |                                    |
|------------------------------------|------------------------------------|
| range of product                   | Harmony XB5                        |
| product of component type          | Kop voor verlichte keuzeschakelaar |
| compatibiliteit product            | Universele LED                     |
| device short name                  | ZB5                                |
| kraag materiaal                    | Kunststof gekleurd grijs           |
| bevestigingsdiameter               | 22 mm                              |
| koptype                            | Standaard                          |
| verkoop per ondeelbare hoeveelheid | 1                                  |
| vorm van kop signaleringseenheid   | Rond                               |
| type operator                      | blijven                            |
| operator profiel                   | Wit standaard hendel               |
| informatie positie operator        | 3 standen +/- 45°                  |

### Complementair

|                                |  |
|--------------------------------|--|
| CAD totale breedte             | 29 mm  |
| CAD totale hoogte              | 29 mm  |
| CAD totale diepte              | 43 mm  |
| gewicht product                | 0,016 kg   |
| mechanical durability          | 500000 cycles  |
| naam station                   | XALD 1...5 uitsnijdingen<br>XALK 2...5 uitsnijdingen   |
| elektrische samenstellingscode | M3 voor <4 contacten gebruik enkelvoudig blokken in vooraan gemonteerd met integrale LED<br>M6 voor <2 contacten gebruik enkelvoudig blokken in vooraan gemonteerd met ingebouwde LED en transformator<br>M10 voor <2 contacten gebruik enkelvoudig blokken in vooraan gemonteerd met integrale LED<br>MF1 voor <2 contacten gebruik enkelvoudig blokken in vooraan gemonteerd met integrale LED<br>MR1 voor <2 contacten gebruik enkelvoudig blokken in montage aan achterzijde met integrale LED<br>M4 voor <4 contacten gebruik enkelvoudig en dubbel blokken in vooraan gemonteerd met integrale LED |
| product presentatie            | Basisonderdeel   |

### Omgeving

De weergegeven prijs is de adviesprijs in euro excl. BTW. Deze kan onderhevig zijn aan korting. Neem contact op met uw lokale distributeur of detailhandel voor de daadwerkelijke prijs

|                                     |  |
|-------------------------------------|--|
| beschermende behandeling            | TH   |
| ambient air temperature for storage | -40...70 °C  |
| omgevingstemperatuur voor werking   | -40...70 °C  |
| overvoltage category                | Klasse II In overeenstemming met IEC 60536   |
| IP beschermingsgraad                | IP66 In overeenstemming met IEC 60529<br>IP67  |
| Enclosure Type                      | UL type 4X/13  |
| weerstand hoge druk drukring        | 7000000 Pa om 55 °C, afstand: 0.1 m  |
| IK-beschermingsgraad                | IK04 In overeenstemming met IEC 50102  |
| standards                           | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 Nr 14<br>EN/IEC 60947-5-5<br>JIS C8201-5-1<br>EN/IEC 60947-5-4<br>JIS C8201-1  |
| product certifications              | CSA<br>DNV<br>BV<br>LROS (Lloyds register of shipping)<br>UL listed  |
| trilling bestendigheid              | 5 gn (f= 2...500 Hz) In overeenstemming met IEC 60068-2-6  |
| schokbestendigheid                  | 30 gn (duur = 18 ms) voor halve sinusgolf versnelling In overeenstemming met IEC 60068-2-27<br>50 gn (duur = 11 ms) voor halve sinusgolf versnelling In overeenstemming met IEC 60068-2-27 |

## Verpakkingseenheid

|                                 |        |
|---------------------------------|--------|
| Eenheidstype van verpakking 1   | PCE    |
| Aantal eenheden in verpakking 1 | 1      |
| verpakking 1 hoogte             | 4,2 cm |
| verpakking 1 breedte            | 3,3 cm |
| verpakking 1 lengte             | 5,2 cm |
| verpakking_1_gewicht            | 23,0 g |

## contractuele waarborg

|                       |    |
|-----------------------|----|
| Garantie (in maanden) | 18 |
|-----------------------|----|

Schneider Electric wil tegen 2050 de Net Zero-status hebben bereikt via partnerschappen in de toeleveringsketen, materialen met een lagere impact en circulariteit via onze doorlopende campagne "Use Better, Use Longer, Use Again" om de levensduur van producten en de recycleerbaarheid te verlengen.

[Uitleg van Environmental Data >](#)

[Hoe evalueren we de duurzaamheid van producten? >](#)

### Milieuoetafdruk

|   |   |
|---|---|
| Totale levenscyclus ecologische voetafdruk              | 0.2 kg CO2 eq.                                |
| Koolstofvoetafdruk van de fabricagefase [A1–A3]         | 0.1 kg CO2 eq.                                |
| Koolstofvoetafdruk van de distributiefase [A4]          | 0 kg CO2 eq.                                  |
| Koolstofvoetafdruk van de installatiefase [A5]          | 0 kg CO2 eq.                                  |
| Koolstofvoetafdruk van de gebruiksfase [B2, B3, B4, B6] | 0 kg CO2 eq.                                  |
| Koolstofvoetafdruk van de einde-levensfase [C1–C4]      | 0 kg CO2 eq.                                  |
| Milieu Profiel  | <a href="#">Milieuprofiel van het product</a> |

## Use Better

### Materialen en verpakking

|                                |  |
|--------------------------------|--|
| Pakket met gerecycleerd karton | Ja   |
| Verpakkingen zonder kunststof  | Ja   |
| RoHS-richtlijn van de EU       | <a href="#">Conform</a>  |
| REACH-verordening              | <a href="#">Referentie bevat geen SVHC boven drempelwaarde</a> |

## Use Longer

### Levensduurverlenging

|           |     |
|-----------|-----|
| Reparatie | Nee |
|-----------|-----|

## Use Again

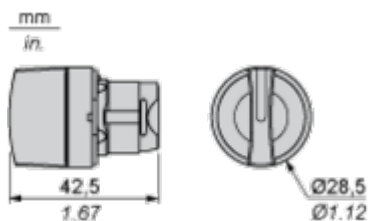
### Herverpakken en herfabriceren

|  |  |
|--|--|
| Percentage mogelijke recycleerbaarheid | 33   |
| Circulair Profiel                      | <a href="#">Informatie over einde levensduur</a> |
| Terugname                              | Ja   |

Dimensions Drawings

Dimensions

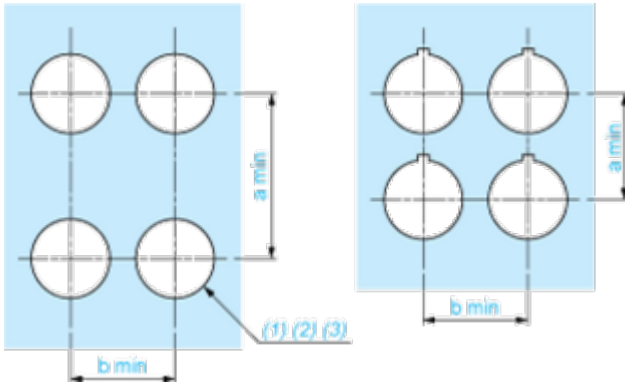
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## Mounting and Clearance

### Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

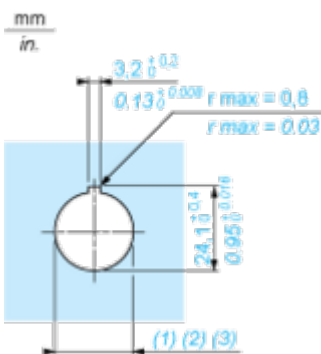
#### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors                          | 45      | 1.77     | 32      | 1.26     |
| On printed circuit board                      | 30      | 1.18     | 30      | 1.18     |

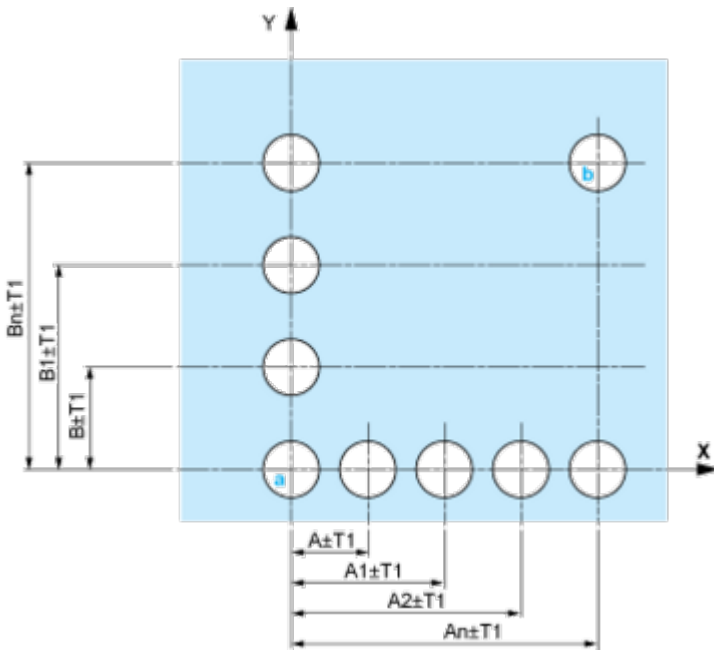
#### Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

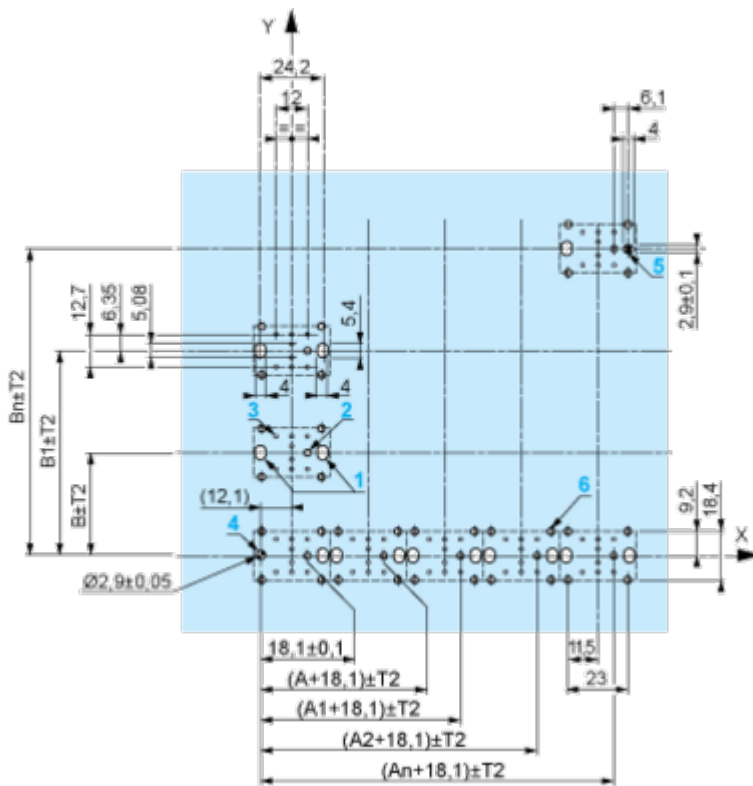
**Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection**

**Panel Cut-outs (Viewed from Installer's Side)**



A: 30 mm min. / 1.18 in. min.  
 B: 40 mm min. / 1.57 in. min.

**Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)**  
 Dimensions in mm



A: 30 mm min.  
 B: 40 mm min.  
 Dimensions in in.



A: 1.18 in. min.

B: 1.57 in. min.

**General Tolerances of the Panel and Printed Circuit Board**

The cumulative tolerance must not exceed 0.3 mm / 0.012 in.: T1 + T2 = 0.3 mm max.

**Installation Precautions**

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB5AZ009: ± 2° 30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB5AZ079 fixing collar/pillar and its fixing screws:
  - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - with each selector switch head (ZB5AD\*, ZB5AJ\*, ZB5AG\*).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



- (1) Head ZB5AD•
- (2) Panel
- (2) Nut
- (4) Printed circuit board

**Mounting of Adapter (Socket) ZBZ01•**

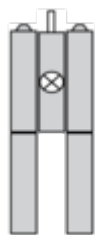
- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ01•
- 3 8  $\times$   $\varnothing$  1.2 mm / 0.05 in. holes
- 4 1 hole  $\varnothing$  2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed circuit board (with cut-out marked **a**)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked **b**)
- 6 4 holes  $\varnothing$  2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

Dimensions An + 18.1 relate to the  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ01•.

Technical Description

Electrical Composition Corresponding to Code M3

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Electrical Composition Corresponding to Code M4

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Electrical Composition Corresponding to Codes M6 and P2

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Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



**Legend**

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Single contact



Double contact



Light block



Possible location



**Sequence of Contacts Fitted to 3-position Selector Switch Body**

**Position 315°**



|                 |          |        |        |        |       |
|-----------------|----------|--------|--------|--------|-------|
| <b>Push</b>     | Position | Top    |        |        |       |
|                 |          | Bottom |        |        |       |
|                 | Location |        | Left   |        | Right |
|                 | State    |        | 1      |        | 0     |
| <b>Contacts</b> | N/O      |        | closed | open   |       |
|                 | N/C      |        | open   | closed |       |





**Position 0°**



|                 |          |        |        |        |       |
|-----------------|----------|--------|--------|--------|-------|
| <b>Push</b>     | Position | Top    |        |        |       |
|                 |          | Bottom |        |        |       |
|                 | Location |        | Left   |        | Right |
|                 | State    |        | 0      |        | 0     |
| <b>Contacts</b> | N/O      |        | open   | open   |       |
|                 | N/C      |        | closed | closed |       |

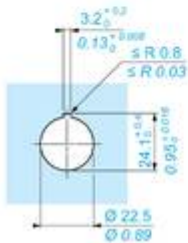
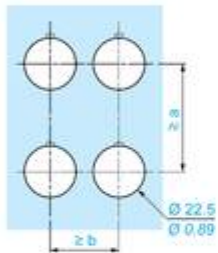
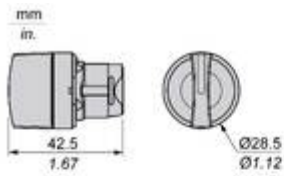
**Position 45°**



|             |                 |        |   |   |   |
|-------------|-----------------|--------|---|---|---|
| <b>Push</b> | Position        | Top    |  |  |   |
|             |                 | Bottom |  |   |  |
|             | Location        |        | Left  |   | Right   |
|             | State           |        | 0   |   | 1   |
|             | <b>Contacts</b> | N/O    |   |   | open  |
| N/C         |                 | closed | open  |   |   |

Technical Illustration

Dimensions



|           |           | a (mm) | a (in.) | b (mm) | b (in.) |
|-----------|-----------|--------|---------|--------|---------|
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....  | ZBV.....  |        |         |        |         |
|           |           | 45     | 1.77    | 32     | 1.26    |
| ZBE.....3 | ZBV.....3 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....4 | ZBV.....4 |        |         |        |         |
|           |           | 50     | 1.97    | 30     | 1.18    |
| ZBE.....5 | ZBV.....5 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....9 | ZBV.....9 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBRT•     | ZBRV1     |        |         |        |         |

Image of product / Alternate images

Alternative

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